

AUTHORS Nomura, K. and Shimizu, S.
TITLE Direct Submission
JOURNAL Submitted (27-SEP-1998) Kaoru Nomura, Tokyo Women's Medical University, Department of Medicine 2; 8-1 Kawadacho, Shinjyuku-ku, Tokyo 162-8666, Japan (E-mail: nomura@parkcity.ne.jp, Tel: 81-3-3353-8111 (ex. 39223), Fax: 81-3-3357-6475)
COMMENT Sequence updated (28-Oct-1998).
FEATURES Location/Qualifiers

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Best Local Similarity 96.7%; Pred. No. 0.083; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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RESULT 8

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DEFINITION Human p53 gene for transformation related protein p53 (also called transformation-associated protein p53, cellular tumor antigen p53, and non-viral tumour antigen p53).
ACCESSION X54156.1
VERSION GI:35213
KEYWORDS anti-oncogene; cell cycle control; growth suppressor; heat shock protein 70; oncogene; p53 cellular tumour antigen; p53 gene; phosphoprotein; transforming capacity; tumor antigen.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Futreal, P.A., Barrett, J.C. and Wiseman, R.W.
TITLE An Alu polymorphism intragenic to the TP53 gene
JOURNAL Nucleic Acids Res. 19 (24), 6977 (1991)

MEDLINE 92107726
PUBMED 1762941
REFERENCE 2
AUTHORS Chumakov, P.M., Almazov, V.P. and Jenkins, J.R.
JOURNAL Unpublished
REFERENCE 3 (bases 1 to 20303)
AUTHORS Chumakov, P.M.
TITLE Direct Submission
JOURNAL Location/Qualifiers

COMMENT
 117984 Moscow, USSR
 Submitted (02-AUG-1990) Chumakov P.M., Engelhardt Inst. of Molecular Biology, Academy of Science of the USSR, Vavilov St. 32, M22887-8, M22894-8.
 See also Mol. Cell. Biol. 6:1379-1385(1986);
 and Mol. Cell. Biol. 7:961-963(1987).

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Query Match 94.7%; Score 28.4; DB 9; Length 20303;
Best Local Similarity 96.7%; Pred. No. 0.096;

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RESIT.T 9

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DEFINITION	Human p53 (TP53) gene, complete cds.				
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VERSION	U94788.1	GI:3041866			
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SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
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AUTHORS	Rozemuller,E.H., Kroppveld,A., Kreyveld,E., Leppers,F.G., Scheidel,K.C., Slootweg,P.J. and Tilanus,M.G.				
TITLE	Sensitive detection of p53 mutation: analysis by direct sequencing and multisequence analysis				
JOURNAL	Cancer Detect. Prev. 25 (2), 109-116 (2001)				
MEDLINE	21238959				
PMID	11341345				
REFERENCE	2 (bases 1 to 20303)				
AUTHORS	Rozemuller,E.H. and Tilanus,M.G.J.				
TITLE	P53 genomic sequence. Corrections and polymorphism				
JOURNAL	Unpublished				
REFERENCE	3 (bases 1 to 20303)				
AUTHORS	Rozemuller,E.H.				
TITLE	Direct Submission				

SCQ ID NO: 2

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 JOURNAL Biochem. Biophys. Res. Commun. 257 (1), 193-198 (1999)
 MEDLINE 99194576
 PUBLISHED 10092532
 REFERENCE 2 (bases 1 to 4360)
 AUTHORS Nomura, K. and Shimizu, S.
 JOURNAL Direct Submission
 TITLE Submitted (27-SEP-1998) Kaoru Nomura, Tokyo Women's Medical
 University, Department of Medicine 2; 8-1 Kawadacho, Shinjyuku-ku,
 Tokyo 162-8666, Japan (E-mail: nomura7@parkcity.ne.jp,
 Tel: 81-3-3353-8111 (ex. 39223), Fax: 81-3-3357-6475)
 COMMENT Sequence updated (26-Oct-1998).
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 LOCUS
 DEFINITION Human p53 gene for transformation related protein p53 (also called
 transformation-associated protein p53, cellular tumor antigen p53,
 and non-viral tumour antigen p53).
 X54156
 X54156.1 GI:35213
 anti-oncogene; cell cycle control; growth suppressor; heat shock
 protein 70; oncogene; p53 cellular tumour antigen; p53 gene;
 phosphoprotein; transforming capacity; tumor antigen.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1
 REFERENCE Futreal, P.A., Barrett, J.C. and Wiseman, R.W.
 AUTHORS An Alu polymorphism intragenic to the TP53 gene
 JOURNAL Nucleic Acids Res. 19 (24), 6977 (1991)
 MEDLINE 92107726
 PUBLISHED 1762941
 REFERENCE 2
 AUTHORS Chumakov, P.M., Almazov, V.P. and Jenkins, J.R.
 JOURNAL Unpublished
 TITLE 3 (bases 1 to 20303)
 JOURNAL Direct Submission
 REFERENCE Submitted (02-AUG-1990) Chumakov P.M., Engelhardt Inst. of
 Molecular Biology, Academy of Science of the USSR, Vavilov St. 32,
 117984 Moscow, USSR
 COMMENT See also entries K03199, M14690, M14695, X01405, X02469, M22881-4,
 M22887-8, M22894-8.
 See also Mol. Cell. Biol. 6:1379-1385 (1986);
 and Mol. Cell. Biol. 7:961-963 (1987).
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CDS
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ORIGIN
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 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
 HSP53G
 LOCUS
 DEFINITION Human p53 gene for transformation related protein p53 (also called
 transformation-associated protein p53, cellular tumor antigen p53,
 and non-viral tumour antigen p53).
 X54156.1 GI:35213
 anti-oncogene; cell cycle control; growth suppressor; heat shock
 protein 70; oncogene; p53 cellular tumour antigen; p53 gene;
 phosphoprotein; transforming capacity; tumor antigen.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE
 1 Futreal, P.A., Barrett, J.C. and Wiseman, R.W.
 An Alu polymorphism intragenic to the TP53 gene
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 MEDLINE 92107726
 PUBMED 1762941
 REFERENCE
 2 Chumakov, P.M., Almazov, V.P. and Jenkins, J.R.
 Unpublished
 3 (bases 1 to 20303)
 Chumakov, P.M.
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 Molecular Biology, Academy of Science of the USSR, Vavilov St. 32,
 117984 Moscow, USSR
 See also entries K03199, M14690, M14695, X01405, X02469, M22881-4,
 M22887-8, M22894-8.
 See also Mol. Cell. Biol. 6:1379-1385 (1986);
 and Mol. Cell. Biol. 7:961-963 (1987).
 Location/Qualifiers
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RESULT 8
HSU94788
LOCUS
DEFINITION Human p53 (TP53) gene, complete cds.
ACCESSION U94788
VERSION U94788.1 GI:3041866
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 20303)
AUTHORS Rozenmuller,E.H., Kropveld,A., Kreyveld,E., Leppers,F.G.,
Scheidel,K.C., Slootweg,P.J. and Tilanus,M.G.
TITLE Sensitive detection of p53 mutation: analysis by direct sequencing
and multisequence analysis
JOURNAL Cancer Detect. Prev. 25 (2), 109-116 (2001)
MEDLINE 21238959
PUBMED 11341345
REFERENCE 2 (bases 1 to 20303)
AUTHORS Rozenmuller,E.H. and Tilanus,M.G.J.
TITLE P53 genomic sequence. Corrections and polymorphism
JOURNAL Unpublished
REFERENCE 3 (bases 1 to 20303)
AUTHORS Rozenmuller,E.H.
TITLE Direct Submission
JOURNAL Submitted (20-MAR-1997) Pathology, University Hospital Utrecht,
P.O.Box 85500, Utrecht 3508CA, The Netherlands
COMMENT This sequence describes corrections and polymorphisms in the
genomic P53 sequence and refers to the genomic TP53 sequence with
GenBank Accession Number X54156.
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